

### **AMENDMENTS TO THE SPECIFICATION**

Please amend the paragraph beginning on line 6 of page 3 as follows:

g) repeating the above steps c) to f) ~~N~~ M times with N having a value of 1 to M so that at the end of M steps, test vectors  $T_1$  to  $T_M$  are saved;

Please amend the paragraph beginning on line 7 of page 5 as follows:

At the end of the stage 1, the method involves stage 2 wherein duplicate vector patterns are removed from the vector pattern list  $T_N$ . In this case the original fault list  $F_O$  is again copied and denoted as fault list  $G_N$  (step 14). In the next step in stage 2, step 16, the vector set  $T_N$  is fault simulated against the fault list  $G_N$  and any vectors which result in no faults being found are deleted. After the fault simulation, the resulting vector set is saved as  $V_N$  and the list of undetected faults is saved as  ~~$G_{N+1}$~~   $G_{N-1}$ . Stage 2 is repeated M plus 1 times, with N taking values M down to zero where M is 10.